

EAST Search History**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--|------------------|---------|------------------|
| L1 | 139 | ("SPR" or surface NEAR2 plasmon) and crystal oscillator | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/09/20 11:08 |
| L3 | 2611 | 422/82.05.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/09/20 11:14 |
| L4 | 522 | 422/82.11.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/09/20 11:14 |
| L5 | 4393 | 385/12,17,30.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/09/20 11:18 |
| L6 | 7074 | 3 or 4 or 5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/09/20 11:18 |
| L7 | 9 | 6 and 1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/09/20 11:19 |
| L8 | 577 | ("SPR" or surface NEAR2 plasmon) and 6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/09/20 11:20 |
| L9 | 177 | 8 and electrode | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/09/20 11:21 |
| L10 | 4196 | 356/445-448.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/09/20 11:28 |

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| L11 | 107 | ("SPR" or surface NEAR2 plasmon) and electrode and 10 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/09/20 11:28 |
| S1 | 2 | "20080060438" | US_PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/02 16:39 |
| S2 | 50 | (US-20020192718-\$ or US-20070251322-\$ or US-20080202926-\$ or US-20080229829-\$ or US-20080022755-\$ or US-20020068018-\$). did. or (US-6432624-\$ or US-6235488-\$ or US-6586232-\$ or US-4314821-\$ or US-5447869-\$ or US-6111342-\$ or US-6293136-\$ or US-6544478-\$ or US-7398163-\$ or US-4259319-\$ or US-4875759-\$ or US-5018829-\$ or US-5296321-\$ or US-6342343-\$ or US-6379880-\$ or US-6395466-\$ or US-5413956-\$ or US-5571750-\$ or US-5506722-\$ or US-5836073-\$ or US-4784449-\$ or US-4879725-\$ or US-4881798-\$ or US-5514484-\$ or US-5612086-\$ or US-5991491-\$). did. or (US-6081632-\$ or US-4866406-\$ or US-4977568-\$ or US-5399185-\$ or US-5424867-\$ or US-5522973-\$ or US-5568308-\$ or US-5570225-\$ or US-5650362-\$ or US-5656382-\$ or US-6298075-\$ or US-6310665-\$ or US-6453100-\$ or US-6465742-\$ or US- | US_PGPUB; USPAT | ADJ | ON | 2009/02/03 11:25 |

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|-----|------|--|---|-----|----|---------------------|
| | | 6674565-\$ or US-6753846-\$ or US-7013061-\$ or US-7062140-\$).did. | | | | |
| S3 | 1 | "20020043890" | US-PGPUB; USPAT | ADJ | ON | 2009/02/09 16:34 |
| S4 | 1 | (wang, guangyu).in. | US-PGPUB; USPAT | ADJ | ON | 2009/02/09 16:39 |
| S5 | 2 | (shinbo, kazunari).in. | US-PGPUB; USPAT | ADJ | ON | 2009/02/09 16:55 |
| S6 | 2 | (kaneko, futao).in. | US-PGPUB; USPAT | ADJ | ON | 2009/02/09 16:56 |
| S7 | 16 | (kato, keizo).in. | US-PGPUB; USPAT | ADJ | ON | 2009/02/09 16:56 |
| S8 | 11 | (kaneko, futao).in. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/09 16:56 |
| S9 | 6 | (shinbo, kazunari).in. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/09 16:56 |
| S10 | 161 | (kato, keizo).in. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/09 16:57 |
| S11 | 1 | (ohdaira, yasu).in. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/09 16:57 |
| S12 | 251 | (kawakami, takahiro).in. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/09 16:57 |
| S13 | 41 | (S7 or S8 or S9 or S10 or S11 or S12) and (crystal or surface plasmon) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/09 16:58 |
| S14 | 1116 | 204/400.ccls. | US-PGPUB; USPAT | ADJ | ON | 2009/02/09 17:09 |
| S15 | 1097 | 422/50.ccls. | US-PGPUB; USPAT | ADJ | ON | 2009/02/09 17:09 |
| S16 | 0 | (shigeki, hontsu).in. | US-PGPUB; USPAT | ADJ | ON | 2009/02/09 17:10 |

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| S17 | 1 | (hontsu, shigeki).in. | US-PGPUB; USPAT | ADJ | ON | 2009/02/09 17:11 |
| S18 | 2 | (kusunoki, masanobu).in. | US-PGPUB; USPAT | ADJ | ON | 2009/02/09 17:11 |
| S19 | 26 | (nishikawa, hiroaki).in. | US-PGPUB; USPAT | ADJ | ON | 2009/02/09 17:12 |
| S20 | 2187 | S14 or S15 | US-PGPUB; USPAT | ADJ | ON | 2009/02/09 17:14 |
| S21 | 414 | S20 and (surface plasmon or crystal) | US-PGPUB; USPAT | ADJ | ON | 2009/02/09 17:14 |
| S22 | 32 | S20 and (surface plasmon and crystal) | US-PGPUB; USPAT | ADJ | ON | 2009/02/09 17:14 |
| S23 | 1589 | 356/445.ccls. | US-PGPUB; USPAT | ADJ | ON | 2009/02/09 17:46 |
| S24 | 424 | S23 and surface plasmon | US-PGPUB; USPAT | ADJ | ON | 2009/02/09 17:46 |
| S25 | 111 | S24 and crystal | US-PGPUB; USPAT | ADJ | ON | 2009/02/09 17:47 |
| S26 | 16327 | surface plasmon | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/09 17:55 |
| S27 | 5015 | S26 and crystal | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/09 17:56 |
| S28 | 52 | S27 and clad and core | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/09 17:56 |
| S29 | 1473 | S27 and (electrode) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/09 17:58 |
| S30 | 920 | S29 and (waveguide or fiber) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/09 17:58 |
| S31 | 394 | S30 and absorb | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/09 18:59 |

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| S32 | 697 | S30 and absorb\$6 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/09 18:59 |
| S33 | 307026 | "32" and (acoustic or sound) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/09 19:00 |
| S34 | 261 | S32 and (acoustic or sound) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/09 19:00 |
| S35 | 27 | ("4236893" "4299916" "4314821" "4735906" "4999284" "5135852" "5362653" "5501986").PN. OR ("5658732").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/02/09 19:02 |
| S36 | 22 | ("4420720" "4760328" "4778657").PN. OR ("5362653").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/02/09 19:08 |
| S37 | 973 | (376/245,248).ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/02/10 10:22 |
| S38 | 26528 | ("372"/\$).ccls. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/02/10 10:45 |
| S39 | 2498 | (qcm or quartz crystal microbalance) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/10 17:03 |
| S40 | 614 | S39 and (spr or surface near plasm\$6) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/10 17:04 |
| S41 | 272 | S40 and (fiber or waveguide) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/10 17:04 |
| S42 | 16 | S41 and (transparent NEAR electrode) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/10 18:51 |

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| S43 | 395 | (qcm or quartz crystal microbalance or crystal oscillator) SAME (clad or core) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/10 18:57 |
| S44 | 11 | S43 and absorption | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/10 18:57 |
| S45 | 692 | S39 and biosensor | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/10 19:05 |
| S46 | 171 | S45 and S41 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/10 19:05 |
| S47 | 788 | (qcm or quartz crystal microbalance or crystal oscillator) and biosensor | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/10 19:05 |
| S48 | 171 | S47 and S41 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/02/10 19:05 |
| S49 | 2 | "7057731".pn. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/06 11:01 |
| S50 | 3 | "20040061860" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/06 11:05 |
| S51 | 6 | ("20020094528" "20030048452" "20030113231" "4253765" "5880833" "5973780").PN. OR ("7057731").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 11:05 |
| S52 | 16938 | surface NEAR2 plasmon | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/06 11:21 |

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| S53 | 5229 | S52 and (crystal) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/06 11:21 |
| S54 | 1472233 | (crystal or crystal NEAR2 oscillator) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/06 11:22 |
| S55 | 5229 | S54 and S52 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/06 11:22 |
| S56 | 1814066 | (waveguide or fiber) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/06 11:23 |
| S57 | 2585 | S56 and S55 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/06 11:23 |
| S58 | 990 | S57 and electrode\$ | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/06 11:23 |
| S59 | 545 | S58 and adsorption | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/06 11:24 |
| S60 | 10 | S59 and crystal oscillator | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/06 11:28 |
| S61 | 2 | "20060274314" | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/06 11:36 |

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|-----|--------|---|---|-----|----|------------------|
| S62 | 61 | ("20030058530" "20030132406" "20060274314" "4917462" "5024507" "5028132" "5168538" "5286970" "5290378" "5416879" "5484822" "5485536" "5492987" "5534558" "5606633" "5778119" "5812722" "5812724" "5846842" "5876753" "6157484" "6225636" "6255642" "6289717" "6408123" "6432364" "6442321" "6480282" "6571035" "6625336" "7268868").PN. | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/04/06 11:40 |
| S63 | 33 | ("4915482" "5485277" "5583643" "5677978" "5729641" "5858799" "6034809" "6201226" "6282005").PN. OR ("6408123").URPN. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 11:49 |
| S64 | 1 | "5512492".pn. | US-PGPUB; USPAT; USOCR | ADJ | ON | 2009/04/06 12:07 |
| S65 | 19 | (US-20020068018-\$ or US-20080163688-\$ or US-20080060438-\$ or US-20030048452-\$ or US-20030215865-\$ or US-20050249667-\$). did. or (US-6674565-\$ or US-5658732-\$ or US-5362653-\$ or US-6673533-\$ or US-6408123-\$ or US-5729641-\$ or US-6034809-\$ or US-6282005-\$ or US-6201226-\$ or US-5858799-\$ or US-6852968-\$ or US-6432364-\$ or US-5512492-\$). did. | US-PGPUB; USPAT | ADJ | ON | 2009/04/06 13:54 |
| S66 | 8 | S65 and acoustic | US-PGPUB; USPAT | ADJ | ON | 2009/04/06 13:55 |
| S67 | 471970 | "19" and (clad or core) | US-PGPUB; USPAT | ADJ | ON | 2009/04/06 15:53 |

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| S68 | 26 | (nishikawa, hiroaki).in. | US-PGPUB; USPAT | ADJ | ON | 2009/04/06 15:54 |
| S69 | 0 | S68 and (clad or core) | US-PGPUB; USPAT | ADJ | ON | 2009/04/06 15:54 |
| S70 | 19 | (US-20020068018-\$ or US-20080163688-\$ or US-20080060438-\$ or US-20030048452-\$ or US-20030215865-\$ or US-20050249667-\$). did. or (US-6674565-\$ or US-5658732-\$ or US-5362653-\$ or US-6673533-\$ or US-6408123-\$ or US-5729641-\$ or US-6034809-\$ or US-6282005-\$ or US-6201226-\$ or US-5858799-\$ or US-6852968-\$ or US-6432364-\$ or US-5512492-\$). did. | US-PGPUB; USPAT | ADJ | ON | 2009/04/06 15:54 |
| S71 | 9 | S70 and (clad or core) | US-PGPUB; USPAT | ADJ | ON | 2009/04/06 15:54 |
| S72 | 5 | S70 and (transparent NEAR6 electrode) | US-PGPUB; USPAT | ADJ | ON | 2009/04/06 16:56 |
| S73 | 40 | metal colloid SAME (SPR or surface NEAR plasmon) | US-PGPUB; USPAT | ADJ | ON | 2009/04/06 17:23 |
| S74 | 1 | "20080144016" | US-PGPUB; USPAT | ADJ | ON | 2009/04/06 18:59 |
| S75 | 6974 | crystal oscillator and electrode | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/06 10:35 |
| S76 | 148 | S75 and adsorption | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/06 10:35 |
| S77 | 32 | S76 and (waveguide or fiber) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/06 10:35 |
| S78 | 8477 | (quartz crystal microbalance or "QCM" or crystal oscillator) and electrode | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/06 10:48 |

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| S79 | 2855 | (quartz crystal microbalance or "QCM") | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/06 10:48 |
| S80 | 63 | S79 and "356"/\$.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/06 10:49 |
| S81 | 38 | S80 and (waveguide or fiber) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/06 10:49 |
| S82 | 38 | S78 and metal colloid | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/06 11:16 |
| S83 | 783 | quartz vibrator | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/06 11:34 |
| S84 | 23 | S83 and (waveguide or fiber) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/06 11:34 |
| S85 | 289 | spr same colloid\$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/06 14:17 |
| S86 | 134 | S85 same gold | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/06 14:17 |
| S87 | 2 | "7057732".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/06 14:37 |
| S88 | 1 | S87 and gold colloidal | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/06 14:37 |

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| S89 | 1 | S87 and colloid\$ | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/06 14:37 |
| S90 | 3 | "20040218184" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/06 14:39 |
| S91 | 0 | S90 and colloid | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/06 14:39 |
| S92 | 298 | waveguide with clad with transparent | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/09 08:58 |
| S93 | 5 | ((surface NEAR2 plasmon) or "SPR") and S92 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/09 08:59 |
| S94 | 63921 | "5" and clad | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/09 09:04 |
| S95 | 5 | S93 and clad | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/09 09:04 |
| S96 | 167827 | electrode SAME transparent | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/09 09:08 |
| S97 | 994 | electrode SAME transparent same core | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/09 09:08 |
| S98 | 183828 | waveguide | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/09 09:35 |

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| S99 | 1 | electrode NEAR10 (refractive adj index) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/09 09:37 |
| S100 | 1544012 | crystal | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/09 09:37 |
| S101 | 0 | S98 same S99 same S100 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/09 09:37 |
| S102 | 6588 | electrode NEAR10 (refractive adj index) | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/09 09:37 |
| S103 | 284 | S98 same S102 same S100 | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/09 09:37 |
| S104 | 27 | S103 same core | US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/09 09:38 |
| S105 | 64 | waveguide same clad same transparent same electrode | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/09 09:53 |
| S107 | 1118 | (electrode WITH core) same (transparent or clear) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/09 09:55 |
| S108 | 77 | S107 same waveguide | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/09 09:55 |
| S109 | 2 | "7236633".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/09 10:09 |

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| S110 | 2 | "7236663".pn. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2009/11/09 10:09 |
| S111 | 773 | (electrode WITH core) same transparent | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/07/02 16:43 |
| S112 | 289 | S111 and (waveguide or fiber) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/07/02 16:44 |
| S113 | 114 | S112 and (absorb\$) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/07/02 16:44 |
| S114 | 8 | S113 and ("SPR" or surface NEAR2 plasmon) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/07/02 16:45 |
| S115 | 11 | S112 and ("SPR" or surface NEAR2 plasmon) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/07/02 16:47 |
| S116 | 14 | S111 and ("SPR" or surface NEAR2 plasmon) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/07/02 16:49 |
| S117 | 3095 | waveguide and ("SPR" or surface NEAR2 plasmon) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/07/02 16:49 |
| S118 | 369 | (waveguide with prism) and ("SPR" or surface NEAR2 plasmon) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/07/02 16:50 |
| S119 | 6 | S118 and crystal oscillator | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/07/02 16:50 |

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|------|------|---|--|-----|----|------------------|
| S120 | 23 | S118 and surface acoustic | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/07/02 16:51 |
| S121 | 2607 | 356/445.ccls. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/07/02 16:52 |
| S122 | 557 | S121 and ("SPR" or surface NEAR2 plasmon) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/07/02 16:52 |
| S123 | 103 | S122 and electrode | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2010/07/02 16:53 |

EAST Search History (Interference)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|---|-----------------------|------------------|---------|------------------|
| L12 | 3139 | 356/445-448.ccls. | US-PGPUB; USPAT; UPAD | ADJ | ON | 2010/09/20 11:33 |
| L14 | 3995 | 385/12,17,30.ccls. | US-PGPUB; USPAT; UPAD | ADJ | ON | 2010/09/20 11:33 |
| L15 | 2689 | 422/82.05,82.11.ccls. | US-PGPUB; USPAT; UPAD | ADJ | ON | 2010/09/20 11:33 |
| L16 | 1257 | 204/400.ccls. | US-PGPUB; USPAT; UPAD | ADJ | ON | 2010/09/20 11:34 |
| L17 | 1288 | 422/50.ccls. | US-PGPUB; USPAT; UPAD | ADJ | ON | 2010/09/20 11:34 |
| L18 | 11815 | 12 or 14 or 15 or 16 or 17 | US-PGPUB; USPAT; UPAD | ADJ | ON | 2010/09/20 11:34 |
| L19 | 1179 | 18 and ("SPR" or surface NEAR2 plasmon) | US-PGPUB; USPAT; UPAD | ADJ | ON | 2010/09/20 11:34 |
| L20 | 27 | 19 and crystal NEAR2 oscil \$6 | US-PGPUB; USPAT; UPAD | ADJ | ON | 2010/09/20 11:35 |

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|-----|-----|---|-----------------------------|-----|----|------------------|
| L21 | 327 | 19 and electrode | US-PGPUB; USPAT; UPAD | ADJ | ON | 2010/09/20 11:35 |
| L22 | 999 | (crystal oscillator).clm. | US-PGPUB; UPAD | ADJ | ON | 2010/09/20 11:42 |
| L23 | 101 | (crystal oscillator and electrodes).clm. | US-PGPUB; UPAD | ADJ | ON | 2010/09/20 11:42 |
| L24 | 1 | (crystal oscillator and electrodes and target substance).clm. | US-PGPUB; UPAD | ADJ | ON | 2010/09/20 11:43 |
| L25 | 0 | (crystal oscillator and electrodes and repeatedly reflected).clm. | US-PGPUB; UPAD | ADJ | ON | 2010/09/20 11:45 |
| L26 | 1 | (end portions and repeatedly reflected).clm. | US-PGPUB; UPAD | ADJ | ON | 2010/09/20 11:45 |
| L27 | 5 | (crystal oscillator and waveguide).clm. | US-PGPUB; UPAD | ADJ | ON | 2010/09/20 11:48 |
| L28 | 9 | (crystal oscillator and substance).clm. | US-PGPUB; UPAD | ADJ | ON | 2010/09/20 11:49 |
| L29 | 236 | (crystal oscillator and oscillation).clm. | US-PGPUB; UPAD | ADJ | ON | 2010/09/20 11:50 |
| L30 | 9 | (crystal oscillator and oscillation near2 characteristic).clm. | US-PGPUB; UPAD | ADJ | ON | 2010/09/20 11:50 |
| L31 | 0 | (crystal oscillator and light inputting means).clm. | US-PGPUB; UPAD | ADJ | ON | 2010/09/20 11:51 |
| L32 | 0 | (crystal oscillator and light inputting).clm. | US-PGPUB; UPAD | ADJ | ON | 2010/09/20 11:51 |

9/20/2010 11:51:52 AM

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